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Search Notes

LITIGATION SEARCH

6234541

Source: [Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility, Design and Plant Patents](#) 
Terms: [patno=6234541](#) ([Edit Search](#))

228921 (09) 6234541 May 22, 2001

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

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May 22, 2001

U-bolt clamp for sealing lap joints

APPL-NO: 228921 (09)

FILED-DATE: January 11, 1999

GRANTED-DATE: May 22, 2001


ASSIGNEE-AT-ISSUE: Donaldson Company, Inc., Minneapolis, Minnesota, 02

ASSIGNEE-AFTER-ISSUE: April 6, 1999 - ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS)., DONALDSON COMPANY, INC 1400 WEST 94TH STREET MINNEAPOLIS, MINNESOTA 55431,, Reel and Frame Number: 009877/0673

CORE TERMS: saddle, shim, clamp, curved, leg, concave, projection, pipe, retaining, conduit ...

ENGLISH-ABST:

The present disclosure relates to guillotine clamp including a U-bolt mounted on a saddle member. The U-bolt has a concave portion that opposes a corresponding concave portion of the saddle member. At least one curved shim is positioned between the concave portions of the U-bolt and the saddle member to provide both sealing and clamping of a lap joint.

Source: [Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility, Design and Plant Patents](#) 

Terms: [patno=6234541](#) ([Edit Search](#))

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Patent Number :

US6234541 B1 20010522 [US6234541]

Title :

(B1) U-bolt clamp for sealing lap joints

Patent Assignee :

(B1) DONALDSON CO INC (US)

Patent Assignee :

Donaldson Company, Inc., Minneapolis MN [US]

Inventor(s) :

(B1) HERMAN JOHN T (US); SHIELDS JAMES P (US); WAGNER WAYNE M (US);
PROTAS MICHAEL J (US)

Application Nbr :

US22892199 19990111 [1999US-0228921]

Filing Details :

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Priority Details :

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Intl Patent Class :

(B1) F16L-021/06

EPO ECLA Class :

F01N-007/18B

F16L-025/04

US Patent Class :

ORIGINAL (O) : 285197000; CROSS-REFERENCE (X) : 024277000 285199000
285420000

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US4365399; US4388749; US4415188; US4479288; US4485530; US4488334;
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Publication Stage :

(B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

Abstract :

The present disclosure relates to guillotine clamp including a U-bolt mounted on a saddle member. The U-bolt has a concave portion that opposes a corresponding concave portion of the saddle member. At least one curved shim is positioned between the concave portions of the U-bolt and the saddle member to provide both sealing and clamping of a lap joint.

Update Code :

2001-23

1 / 1 INPADOC - ©INPADOC

Patent Number :

US 6234541 BA 20010522 [US6234541]

Title :

U-BOLT CLAMP FOR SEALING LAP JOINTS

Inventor(s) :

WAGNER WAYNE M [US]; HERMAN JOHN T [US]; PROTAS MICHAEL J [US]; SHIELDS
JAMES P [US]

Patent Assignee (Words) :

DONALDSON CO INC [US]

Application Details :

US 228921/99-A 19990111 [1999US-0228921]

Priority Details :

US 228921/99-A 19990111 [1999US-0228921]

US 25895/98-B2 19980218 [1998US-0025895]

Intl. Patent Class. :

F16L-021/06